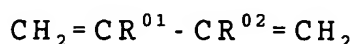


WHAT IS CLAIMED IS:

1. A photothermographic material comprising a support and an image-forming layer disposed on the support, wherein the image-forming layer comprises a photosensitive silver halide, a non-photosensitive organic silver salt, a reducing agent and a binder, and the binder comprises a polymer formed by copolymerization of monomers including 10 to 70% by mass of a monomer represented by the following formula (M):

Formula (M)

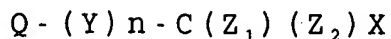


wherein  $\text{R}^{01}$  represents a hydrogen atom, an alkyl group having 1 to 6 carbon atoms, a halogen atom, or a cyano group;  $\text{R}^{02}$  represents an alkyl group having 1 to 6 carbon atoms, a halogen atom, or a cyano group; and where  $\text{R}^{01}$  and  $\text{R}^{02}$  are never both simultaneously a hydrogen atom.

2. A photothermographic material according to claim 1, wherein the image-forming layer contains an antifoggant formed from an organic polyhalogen compound.

3. A photothermographic material according to claim 2, wherein the organic polyhalogen compound is represented by the following formula (H):

Formula (H)



wherein Q represents an alkyl group, an aryl group, or a heterocyclic group; Y represents a divalent linking group; n represents an integer of 0 or 1; Z<sub>1</sub> and Z<sub>2</sub> represent a halogen atom, respectively; and X represents a hydrogen atom or an electron-withdrawing group.

4. A photothermographic material according to claim 2, wherein the amount of the antifoggant is 0.01 to 0.5 g/m<sup>2</sup>.

5. A photothermographic material according to claim 3, wherein the amount of the antifoggant is 0.01 to 0.5 g/m<sup>2</sup>.

6. A photothermographic material according to claim 1, wherein the polymer has a glass-transition temperature of -30 to 70°C.

7. A photothermographic material according to claim 2, wherein the polymer has a glass-transition temperature of -30 to 70°C.

8. A photothermographic material according to claim 3, wherein the polymer has a glass-transition temperature of -30 to 70°C.

9. A photothermographic material according to claim 4,

wherein the polymer has a glass-transition temperature of -30 to 70°C.

10. A photothermographic material according to claim 1, wherein the polymer is a polymer latex synthesized by an emulsion polymerization.

11. A photothermographic material according to claim 2, wherein the polymer is a polymer latex synthesized by an emulsion polymerization.

12. A photothermographic material according to claim 3, wherein the polymer is a polymer latex synthesized by an emulsion polymerization.

13. A photothermographic material according to claim 1, wherein  $R^{01}$  is a hydrogen atom and  $R^{02}$  is a methyl group in the formula (M).

14. A photothermographic material according to claim 2, wherein  $R^{01}$  is a hydrogen atom and  $R^{02}$  is a methyl group in the formula (M).

15. A photothermographic material according to claim 3, wherein  $R^{01}$  is a hydrogen atom and  $R^{02}$  is a methyl group in

the formula (M).

16. A photothermographic material according to claim 1, wherein the polymer is copolymerized with monomers at 1 to 20% by mass, said monomers having acid groups.

17. A photothermographic material according to claim 2, wherein the polymer is copolymerized with monomers at 1 to 20% by mass, said monomers having acid groups.

18. A photothermographic material according to claim 3, wherein the polymer is copolymerized with monomers at 1 to 20% by mass, said monomers having acid groups.